Set Items Description S153 HOLO (N4) LACTALBUMIN/TI **S2** RD (unique items) ? show files 5:Biosis Previews(R) 1969-2006/Apr W2 (c) 2006 BIOSIS File 6:NTIS 1964-2006/Apr W1 (c) 2006 NTIS, Intl Cpyrght All Rights Res File 8:Ei Compendex(R) 1970-2006/Apr W1 (c) 2006 Elsevier Eng. Info. Inc. File 24:CSA Life Sciences Abstracts 1966-2006/Feb (c) 2006 CSA. File 34:SciSearch(R) Cited Ref Sci 1990-2006/Apr W2 (c) 2006 Inst for Sci Info File 65: Inside Conferences 1993-2006/Apr 13 (c) 2006 BLDSC all rts. reserv. 71:ELSEVIER BIOBASE 1994-2006/Apr W2 (c) 2006 Elsevier Science B.V. File 73:EMBASE 1974-2006/Apr 14 (c) 2006 Elsevier Science B.V. 94:JICST-EPlus 1985-2006/Jan W3 File (c) 2006 Japan Science and Tech Corp (JST) 98:General Sci Abs 1984-2004/Dec File (c) 2005 The HW Wilson Co. 99: Wilson Appl. Sci & Tech Abs 1983-2006/Mar (c) 2006 The HW Wilson Co. File 136:BioEngineering Abstracts 1966-2006/Feb (c) 2006 CSA. File 143:Biol. & Agric. Index 1983-2006/Mar (c) 2006 The HW Wilson Co File 144:Pascal 1973-2006/Mar W3 (c) 2006 INIST/CNRS File 155:MEDLINE(R) 1951-2006/Apr 18 (c) format only 2006 Dialog File 172:EMBASE Alert 2006/Apr 14 (c) 2006 Elsevier Science B.V. File 266: FEDRIP 2005/Dec Comp & dist by NTIS, Intl Copyright All Rights Res File 315: ChemEng & Biotec Abs 1970-2006/Mar (c) 2006 DECHEMA File 357: Derwent Biotech Res. 1982-2006/Apr W1 (c) 2006 Thomson Derwent & ISI File 358: Current BioTech Abs 1983-2006/Jan (c) 2006 DECHEMA File 369: New Scientist 1994-2006/Aug W4 (c) 2006 Reed Business Information Ltd. File 370:Science 1996-1999/Jul W3 (c) 1999 AAAS File 399:CA SEARCH(R) 1967-2006/UD=14416 (c) 2006 American Chemical Society File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec (c) 1998 Inst for Sci Info

DIALOG ENABLEMENT SEARCH 4/16/06 2/10/713,594

```
STEM:OS - DIALOG OneSearch
 File 2:INSPEC 1898-2006/Apr W1
        (c) 2006 Institution of Electrical Engineers
 File
       5:Biosis Previews(R) 1969-2006/Apr W1
        (c) 2006 BIOSIS
 File 34:SciSearch(R) Cited Ref Sci 1990-2006/Mar W4
        (c) 2006 Inst for Sci Info
 File 440: Current Contents Search(R) 1990-2006/Apr 07
        (c) 2006 Inst for Sci Info
     Set Items Description
      --- -----
? s modeling(n3)(zinc OR calcium OR magnesium OR metal(w)ions)(s)(point(w)
charges)
         658573 MODELING
         397118 ZINC
        1042740 CALCIUM
         256753 MAGNESIUM
        1270392 METAL
         846603 IONS
          86337 METAL (W) IONS
        1446319 POINT
         107622 CHARGES
              4 MODELING(N3)(ZINC OR CALCIUM OR MAGNESIUM OR
     S1
                 METAL(W) IONS)(S)(POINT(W)CHARGES)
? rd
            1 RD (unique items)
? type s2/full/1
```

DIALOG PRIOR ART SEARCH 10/223794 Pla 4/16/06

```
ds; show files
Set
        Items
               Description
S1
       611624
                ZINC
S2
        88573
               METAL (W) ION
S3
       670014
                S1 OR S2
          68
               DUMMY (W) ATOM OR DUMMY (W) ATOMS
S4
           10
                S3 AND S4
S5
          990
                POINT (W) CHARGE OR POINT (W) CHARGES
S6
S7
          127
                S3 AND S6
                MODELING(N3)(ZINC OR CALCIUM OR MAGNESIUM OR METAL(W)IONS)-
S8
             (S) (POINT (W) CHARGES)
                MODELING(N3)(ZINC OR CALCIUM OR MAGNESIUM OR METAL(W)IONS)-
S9
             (S) (POINTS)
File 123:CLAIMS(R)/Current Legal Status 1980-2006/Apr 04
          (c) 2006 IFI/CLAIMS
File 324:German Patents Fulltext 1967-200552
         (c) 2006 Univentio
                                   UD=200623
File 331:Derwent WPI First View
         (c) 2006 Thomson Derwent
File 340:CLAIMS(R)/US Patent 1950-06/Apr 04
         (c) 2006 IFI/CLAIMS(R)
File 342:Derwent Patents Citation Indx 1978-05/200619
         (c) 2006 Thomson Derwent
File 344: Chinese Patents Abs Jan 1985-2006/Jan
         (c) 2006 European Patent Office
File 345: Inpadoc/Fam. & Legal Stat 1968-2006/UD=200613
         (c) 2006 EPO
File 347: JAPIO Dec 1976-2005/Dec (Updated 060404)
         (c) 2006 JPO & JAPIO
File 348: EUROPEAN PATENTS 1978-2006/ 200613
         (c) 2006 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20060406,UT=20060330
         (c) 2006 WIPO/Univentio
File 353:Ei EnCompassPat(TM) 1964-200614
         (c) 2006 Elsevier Eng. Info. Inc.
                                                       PIALOG
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI. All rts. reserv.
File 447: IMS Patent Focus 2006/Mar
                                                       PRIOR ART STARCH
         (c) 2006 IMS Health & Affiliates
File 652:US Patents Fulltext 1971-1975
         (c) format only 2002 Dialog
                                                       10/723,594
File 654:US Pat.Full. 1976-2006/Apr 06
         (c) Format only 2006 Dialog
                                                     4/16/0s
File 670:LitAlert 1973-2006/UD=200614
         (c) 2006 Thomson Derwent
```

? ds; show files

Items Description

(ZINC OR METAL(W)ION) AND (POINT(W)CHARGE OR DUMMY(W)ATOM) S1

AND (POLYHEDRON OR TETRAHEDRON)

2: INSPEC 1898-2006/Mar W4 File

(c) 2006 Institution of Electrical Engineers

?

PRIOF ART SEARCH
10/723,594

2000

4/16/06

PIALOS

Set Items Description S1 (METAL OR METAL(W)ION OR ZINC OR ZINC(W)ION) AND VAN(W)DER-(W) WAALS AND DUMMY (W) ATOMS S2 4 RD (unique items) File 2:INSPEC 1898-2006/Mar W4 (c) 2006 Institution of Electrical Engineers File 34:SciSearch(R) Cited Ref Sci 1990-2006/Mar W4 (c) 2006 Inst for Sci Info File 47: Gale Group Magazine DB(TM) 1959-2006/Apr 07 (c) 2006 The Gale group File 88:Gale Group Business A.R.T.S. 1976-2006/Mar 31 (c) 2006 The Gale Group File 370:Science 1996-1999/Jul W3 (c) 1999 AAAS File 440: Current Contents Search(R) 1990-2006/Apr 07 (c) 2006 Inst for Sci Info File 484: Periodical Abs Plustext 1986-2006/Apr W1 (c) 2006 ProQuest

10/723,594 PRIOR ART SEARCH

2m 4/16/06 PIA LOG

```
? ds
```

```
Set
        Items
                Description
                (FORCE(W) FIELD OR FORCEFIELD OR FORCE(W) FIELDS OR FORCEFIE-
             LDS) (N4) METAL (W) (ION OR IONS)
              RD (unique items)
S2
           45
                Sort S2/ALL/PY
S3
           45
                S3 AND POINT (W) CHARGE?
S4
            0
S5
            0
                S3 AND DUMMY
? ; show files
       2:INSPEC 1898-2006/Mar W4
File
         (c) 2006 Institution of Electrical Engineers
       5:Biosis Previews(R) 1969-2006/Apr W1
File
         (c) 2006 BIOSIS
File
       6:NTIS 1964-2006/Mar W4
         (c) 2006 NTIS, Intl Cpyrght All Rights Res
       8:Ei Compendex(R) 1970-2006/Mar W4
File
         (c) 2006 Elsevier Eng. Info. Inc.
     34:SciSearch(R) Cited Ref Sci 1990-2006/Mar W4
File
         (c) 2006 Inst for Sci Info
     57: Electronics & Communications Abstracts 1966-2006/Feb
File
         (c) 2006 CSA.
     68:Solid State & Superconductivity Abstracts 1966-2006/Mar
File
         (c) 2006 CSA.
                                                            PRIOR ART SEAKING
10/223, 194
4/16/04
Reg
     71:ELSEVIER BIOBASE 1994-2006/Apr W1
File
         (c) 2006 Elsevier Science B.V.
     73:EMBASE 1974-2006/Apr 07
File
         (c) 2006 Elsevier Science B.V.
     98:General Sci Abs 1984-2004/Dec
File
         (c) 2005 The HW Wilson Co.
     99:Wilson Appl. Sci & Tech Abs 1983-2006/Mar
File
         (c) 2006 The HW Wilson Co.
File 103: Energy SciTec 1974-2006/Mar B2
         (c) 2006 Contains copyrighted material
File 104:AeroBase 1999-2006/Mar
         (c) 2006 Contains copyrighted material
File 144:Pascal 1973-2006/Mar W2
         (c) 2006 INIST/CNRS
File 155:MEDLINE(R) 1951-2006/Apr 10
         (c) format only 2006 Dialog
File 156:ToxFile 1965-2006/Mar W3
         (c) format only 2006 Dialog
File 302: INDEX CHEMICUS 1993-200614
         (c) 2006 Thomson Corporation
File 323:RAPRA Rubber & Plastics 1972-2006/Mar
          (c) 2006 RAPRA Technology Ltd
File 393:Beilstein Abstracts 2005/Q3
         (c) Beilstein GmbH
File 399:CA SEARCH(R) 1967-2006/UD=14415
```

(c) 2006 American Chemical Society

File 440: Current Contents Search(R) 1990-2006/Apr 07

(c) 2001 The UnCover Company

(c) 2006 Inst for Sci Info

File 420:UnCover 1988-2001/May 31